89 LaSalle Avenue Site

ERIE, NEW YORK

Periodic Review Report

NYSDEC Site Number: C915283

Prepared for:
Legacy LaSalle LLC
89 LaSalle Avenue Site
Cheektowaga, New York 14225

Prepared by:
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JUNE 2017

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1.0 SITE OVERVIEW

1.1 Site Location & Description

The site, comprised of three (3) separate parcels, is addressed at 67 LaSalle Ave, 89 LaSalle Ave, and portions of 71 NY L&W RR (71 Cordova Ave.), and located in the City of Buffalo County of Erie, New York and is identified as Section 79.7, Block 2 and Lots 1.1, 11, and 16.11 on the Erie County Tax Map. The site is an approximately 9.2 acre area bounded by commercial properties and LaSalle Avenue to the north, McCarthy Park to the south, Cordova Avenue to the east, and residential properties located on William Price Parkway to the west (see Site Vicinity Map, Figure 1-1). The site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Site# C915283, which was executed on June 6, 2014.

1.2 Nature and Extent of Contamination Prior to Remediation

Prior to site remediation under the Brownfields Cleanup Program (BCP), a Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the site. The RI activities conducted on the Site as preparation for remedial efforts included the installation of four (4) wells, the advancement of fifteen (15) borings, the excavation of nineteen (19) test pits, and the collection of four (4) surface soil samples. Generally, the RI determined that the historic use of the Site as a landfill was evident in analytical results from the initial RI identifying the widespread presence of low levels of heavy metals and Polycyclic Aromatic Hydrocarbons (PAHs) as the Constituents of Primary Concern (COPCs) in soil/fill across the Site, and specifically at several locations identified across the central portion of the Site where the COPC concentrations were elevated relative the rest of the Site. Previous investigations had been conducted on portions of the BCP Site referenced as the LaSalle Reservoir Site, which generally encompassed the southeastern half of the Site (the former Buffalo Crushed Stone quarry area).

Four (4) impacted locations identified during the initial RI were subject to a supplemental remedial investigation delineating the elevated COPC impacts detected in these areas of concern. Findings from the supplemental test pit investigation of the four impacted areas of interest confirmed that there was no evidence of significant lateral or vertical contamination surrounding the original soil boring locations. Levels of COPCs detected in the supplemental test pits indicated that concentrations of COPCs, where detected, were below site specific soil cleanup objectives as proposed in the Final RI Report and consistent with observations of RI analytical results across the site. The heterogeneous nature of the soil/fill across the Site, and analytical results indicating widespread low level concentrations of COPCs above the Restricted Residential SCOs throughout Site overburden, demonstrated that a source or sources of contamination found at the four original areas of concern was not present.

1.3 Site Remedial Program

The site was remediated in accordance with the NYSDEC-approved 89 LaSalle RI-IRM-AA Report dated January 2015. .

The following is a summary of the Remedial Actions performed at the site:

- Excavation of soil/fill identified at four RI boring locations as significantly exceeding restricted residential SCOs, to a minimum depth of 5 feet or bedrock where applicable;
- Construction and maintenance of a soil cover system consisting of two feet of clean imported material, and/or impervious material (i.e, asphalt pavement, concrete sidewalks and buildings) differentiated by a demarcation layer to prevent human exposure to remaining contaminated soil/fill remaining at the site;
- Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
- Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) maintenance and (4) reporting;

Remedial activities were completed at the site in February 2015 (hotspot soil/fill excavations) and between April and October 2015 installation of the Site's cover system was incrementally installed as the Site's development progressed through construction and final site restoration.

A total of 350 tons of contaminated soil/fill was excavated and removed from the four hotspot locations identified in the RI Report (Boring locations B-5, B-7, B-8 and B-9) and illustrated on Figure 5 in the SMP. The excavated hotspot locations were subsequently backfilled with excess soils excavated and stockpiled from other uncontaminated locations on the Site, primarily storm sewer and water line utility trenching locations. In addition, approximately 1300 tons of topsoil mixed with vegetative material was also stripped from the upper 3-6 inches of portions of the site and disposed of off-site. This material was not identified as exceeding the applicable SCOs, however it was not suitable for reuse on the Site as part of the final cover system.

After completion of the remedial work, some contamination was left in the subsurface at this site, which is hereafter referred to as "remaining contamination." A layer of geotextile fabric has been installed as a demarcation layer in those areas of the Site where two feet of clean soil cover is the component of the cover system. This geotextile was placed on top of the subgrade soil/fill prior to placement of clean soil. At other locations on the Site where the cover system consists of impervious asphalt or concrete, a layer of geotextile has also been placed between the remaining soil/fill and clean structural gravel or crushed stone fill. In areas were buildings or structures act as the final cover system, a minimum of two feet, and in most areas four feet, of clean imported material was placed prior to placement of concrete pads and the erection of structures. In the case of Building 1, the sub base materials have been placed, covered with clean topsoil and seeded in the same manner as other green space on the Site. The building foundations and concrete pad will be poured during the next phase of site development at which time the topsoil and vegetative cover will be removed down to the clean clay subbase material,

The SMP was prepared to manage remaining contamination at the site until the Environmental Easements are extinguished in accordance with ECL Article 71, Title 36. The SMP addresses the means for implementing the Institutional Controls (ICs) and Engineering Controls (ECs) that are required by the Environmental Easement for the site.

1.4 Purpose of Periodic Review Report

This Periodic Review Report (PRR) presents information on the maintenance, monitoring and compliance activities performed at the 89 LaSalle Avenue Site No. C915283 covering the period from December 29, 2015 to March 30, 2017.

During the reporting period of this PRR, no intrusive activities were performed on the BCP Site.

2.0 REMEDIAL SYSTEMS COMPLIANCE

2.1.1 General

Since remaining contaminated soil and groundwater exists beneath the site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment.

Site specific SCOs were developed and approved based on 6NYCRR Part 375 Restricted Residential SCOs. These SCOs were employed as soil cleanup goals to achieve the remedial action objectives for the site of minimizing the potential for exposure of remaining soil contaminants to humans and the environment. The SCOs established are soil concentration limits protective of human health and surface water quality. Achievement of the site specific SCOs was confirmed through verification sampling.

At the completion of remediation, construction and maintenance of a soil cover system consisting of two feet of clean imported material, and/or impervious material (i.e, asphalt pavement, concrete sidewalks and buildings) differentiated by a demarcation layer to prevent human exposure to remaining contaminated soil/fill remaining at the site was the selected Engineering Control implemented at the Site.

The approved SMP requires the implementation of a long term monitoring plan that incorporates semi-annual storm water and sediment analysis and monitoring and maintenance of the site cover system to identify evidence of excessive soil erosion to the Site soil cover systems or deterioration of asphalt or concrete structures on the Site that might indicate that off-site transport of soil/fill is more likely to occur or is occurring. In addition, semi-annual storm water and sediment monitoring is performed to further assess performance of the cover system.

The results of the required monitoring activities and annual inspection are presented in Section 4 “Monitoring Plan Compliance Report”.

3.0 INSTITUTIONAL CONTROL COMPLIANCE

3.1 Introduction

3.1.1 General

Since remaining contaminated soil and groundwater exists beneath the site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment. The Engineering and Institutional Control Plan describes the procedures for the implementation and management of all EC/ICs at the site. The EC/IC Plan is one component of the SMP and is subject to revision by NYSDEC. The goals of the ICs are to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to Restricted Residential uses only. Adherence to these Institutional Controls on the site is required by the Environmental Easement and will be implemented under this Site Management Plan.

3.2 Description of Institutional Controls

The Institutional Controls are:

- Compliance with the Environmental Easements and the SMP by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be maintained as specified in the SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Stormwater, sediment and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

The site has a series of Institutional Controls in the form of site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted residential use provided that the long-term Engineering and Institutional Controls included in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- Vegetable gardens and farming on the property are prohibited; and
- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were

approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

The environmental easement summarizing the site use restrictions and requirements for the site was executed by the Department on December 14, 2015, and filed with the Erie County Clerk on December 15, 2015. A copy of the easement and proof of filing is provided in Appendix A of the SMP for this site.

3.2.1 Status of ICs

During the reporting period covered by this PRR, all ICs were in place and effective in meeting their objectives. Intrusive site work was performed on the BCP Site during the reporting period covered by this PRR for installation of building foundations and associated utilities. All intrusive work was conducted in accordance with the Department approved Excavation Work Plan.

There are no corrective measures required to insure the effectiveness of ICs at this time based on the results of the monitoring and annual inspection performed.

During the reporting period covered by this PRR, storm water and sediment samples were collected on March 31, 2017 when storm water effluent was present in sufficient quantity for sampling at MH-1 structure during the current PRR reporting period, i.e., December 29, 2015 through March 30, 2017. The next sampling event will be tentatively scheduled for mid to late August 2017.

It should be noted that for this reporting period two rounds of storm water and sediment sampling were to be performed, however due to a scheduling misunderstanding of the monitoring program requirements by Legacy, only one round was collected for this period.

4.0 MONITORING PLAN COMPLIANCE REPORT

4.1 Introduction

4.1.1 General

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the site, the soil cover system, and all affected site media identified below. The Monitoring Plan may only be revised with the approval of NYSDEC.

4.1.2 Schedule

Semi-Annual monitoring and inspection of the performance of the remedy and overall reduction in contamination on-site will be conducted for the first 5 years. The frequency thereafter will be determined by NYSDEC. Characterizations of stormwater and sediment quality, generated as runoff from the Site's engineered cover system have been selected as representative Site monitoring media. Trends in contaminant levels in stormwater and sediment in the affected areas will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. The monitoring and inspection program are summarized in detail in Table 4-1 and results of the monitoring performed are discussed further in Section 4.2 below.

Table 4-1: Monitoring/Inspection Schedule

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

Monitoring Program	Frequency*	Matrix	Analysis/Comments
Stormwater Discharge to City of Buffalo Storm Sewer System	Annually	Storm water runoff and sediment (when present)	TAL Metals, Semi-volatile compounds (Method 8270)
Semiannual Site Inspection	Semi-annually	Visually inspect entire site for cover system integrity and signs of unacceptable deterioration or other damage to cover system components that may result in exposure to contaminated soil	Prepare a detailed written description of the condition of all cover system components. Include a photographic record of inspection areas

4.2 Monitoring Program Results

4.2.1 Surface Water and Sediment Monitoring

On March 31, 2017, a storm water grab sample was collected from the manhole within 6 hours of a precipitation event exceeding 0.5 inches. The sample was collected at one (1) location in accordance with the Legacy LaSalle C915283 Site SMP.

Stormwater and associated sediment (when present in the sampling manhole) samples were collected from the discharge of Manhole 1 (designated MH-1) located at the northwest corner of the BCP Site that subsequently discharges to the City of Buffalo storm sewer system in LaSalle Ave.

The storm water sample was analyzed for Semi-Volatiles and Total Metals. The analytical results from the March 31, 2017 sampling event are summarized and compared to NYSDEC surface water standards (NYSDEC 1998) as well as soil cleanup objectives and NYSDEC Freshwater Sediment Guidance Values for sediment in Table 4-2. No detections above NYSDEC surface water standards for SVOCs or Metals were found in the stormwater sample representative of the discharge to City of Buffalo Storm Sewer System, with the exception of iron, which was reported at a level slightly higher (0.8 ppm) than the 0.3 ppm standard. Concentrations of iron in the site soils can vary significantly due to a wide range of naturally occurring iron in imported cover soils and this result for iron in the stormwater is not unexpected.

In conjunction with the storm water sampling, the proposed sediment sample identified in the SMP Monitoring Plan was collected. A sediment grab sample was collected from the bottom of the manhole in conjunction with the stormwater sample collection.

For the purposes of this assessment, the results of the sediment analyses were compared to both the Part 365 restricted residential SCOs and the Class A Freshwater Sediment Guidance Values (Table 5) from the "*Screening and Assessment of Contaminated Sediments*", NYSDEC, July 2014. Concentrations of SVOCs benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene and dibenzo(a,h)anthracene, as well as indeno[1,2,3-cd]pyrene were detected in the sediment sample at concentrations of 2.7 ppm, 2.1 ppm, 2.9 ppm, 0.33 ppm and 1.2 ppm, respectively, during the March 2017 sampling event. The concentrations of these SVOCs are marginally above their respective restricted residential SCOs. One compound, lead, at a concentration of 44 ppm exceeded the Class A sediment guidance value of 36. It fell at the low end of the range for lead in Class B sediments in Table 5 of the guidance document which is 36-130 ppm. The analytical results from the March 2017 sediment sampling event are summarized and presented in Table 4-2.

A copy of the laboratory Analytical Reports for all storm water and sediment analyses performed is attached in Appendix A.

4.3 Annual Site Inspection Results

An annual inspection was performed on April 26, 2016 in accordance with the SMP Monitoring Program requirements. A Site-wide inspection form was completed (Appendix B). The form compiles sufficient information to assess the following:

- Compliance with all ICs, including site usage;
- General site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and
- Confirm that site records are up to date.

All areas of the Site were carefully inspected to assess the condition of surface soil integrity, asphalt and concrete areas to determine if evidence of erosion or related deterioration of the site soils, asphalt or concrete structures is occurring that would result in the erosion of Site soil/fill onto surrounding properties. In particular, special attention was given to inspecting the condition and integrity of the soil in areas where final redevelopment has not yet occurred due to the phased redevelopment of the Site (i.e., primarily the Building 1 location and adjacent areas) and stabilization of the soil cover (seeding and mulching to establish vegetative growth) was performed until final development activities are intiated . A photo log of photos taken during the inspection is also provided in Appendix B.

4.4 Summary of Off-Site Activities During Reporting Period

No intrusive activities were performed at the Site during the period covered by this PRR.

4.5 Conclusions and Recommendations

At the time of the annual inspection, the Site was fully compliant with the institutional controls described in the SMP. All monitoring results and inspection results were acceptable with only low level detection of limited PAHs the sediment at the Site outfall stormwater discharge and no evidence of erosion of the soil cover or hardscape portions of the cover on the Site.

Semi-annual storm water and sediment sampling will continue to be scheduled for future monitoring events in the August/September and March timeframes to be representative of stormwater discharge events from the Site.

5.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

Based on the initial monitoring and inspection results described in Section 4 and conducted during the timeframe covered by this PRR, compliance with all relevant components of the SMP ICs was achieved. A copy of the completed and certified "Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form" is attached in Appendix D.

The storm water and sediment sampling completed to date (i.e., one event) cannot assess the long term performance of the remedy. However, the initial storm water and sediment sample results after the first year of development and the overall condition of the site and integrity of the final soil cover system are indicative that the remedy performed under the BCP is achieving its intended goals of minimizing, to the extent feasible, exposure of remaining contamination to the environment through storm water runoff and associated sediment erosion.

The next Annual Inspection will be performed in February or March of 2018. The next semi-annual SMP sampling event will be performed in August or September of 2017, contingent on storm water availability for sampling.

6.0 REFERENCES

1. Golder Associates Inc., *Final Engineering Report*, *89 LaSalle Ave. Site, NYSDEC Site No. C915283, Decem*ber 2015.

2. Golder Associates Inc., *Site Management Plan, 89 LaSalle Ave. Site, NYSDEC Site No. C915283*, prepared for Legacy LaSalle LLC, *Decem*ber 2015.

TABLE 4-2

(TABLE 4-1 IN TEXT)

TABLE 4-2
SUMMARY OF ANALYTICAL RESULTS FOR STORMWATER & SEDIMENT SAMPLES
MARCH 2017
89 LASALLE AVENUE BCP SITE # C915283
LEGACY LASALLE, LLC.
BUFFALO, NY

Lab ID	Water Quality Standards Surface Waters and Groundwater (6 NYCRR Part 703) (PPM)	Class A Freshwater Sediment Guidance Values* (PPM)	Restricted Residential SCOs Table 375-6.8(b) (PPM)	L1710024-01 - Stormwater		L1710024-02 - Sediment	
Sample ID				MH-1		MH-1	
Sample Date				3/31/17		3/31/17	
Units				PPM		PPM	
Semivolatile Organics (GC/MS)							
2-Methylnapthaline	NS	NS	NS	ND		0.24	J
2-Methylphenol	NS	NS	NS	ND		ND	
Acenaphthene	0.02	NS	100	ND		0.61	
Acenaphthylene	NS	NS	100	ND		0.069	J
Anthracene	0.05	NS	100	ND		*1.9*	
Benzaldehyde	NS	NS	NS	ND		ND	
Benzo[a]anthracene	0.000002	NS	1	ND		***2.7***	
Benzo[a]pyrene	NS	NS	1	ND		***2.1***	
Benzo[b]fluoranthene	0.000002	NS	1	ND		***2.9***	
Benzo[g,h,i]perylene	NS	NS	100	ND		0.98	
Benzo[k]fluoranthene	0.000002	NS	3.9	ND		1.1	
Biphenyl	NS	NS	1	ND		0.087	J
Bis(2-ethylhexyl) phthalate	0.005	360	NS	ND		0.49	
Carbazole	NS	NS	NS	ND		0.91	
Chrysene	0.000002	NS	3.9	ND		2.6	
Dibenzo(a,h)anthracine	NS	NS	0.33	ND		0.33	
Dibenzofuran	NS	NS	NA	ND		0.72	
Fluoranthene	0.05	NS	100	ND		6.1	
Fluorene	0.05	NS	100	ND		1	
Indeno[1,2,3-cd]pyrene	0.000002	NS	0.5	ND		***1.2***	
Napthalene	NS	NS	100	ND		0.37	
Phenanthrene	NS	NS	100	ND		6.9	
Pyrene	0.05	NS	100	ND		4.7	
Total Metals (SW 846 Series)							
Aluminum	NS	NS	NS	0.573		3100	
Antimony	0.003	NS	NS	0.00044	J	ND	
Arsenic	0.025	<10	16	0.00046	J	5.6	
Barium	NS	NS	400	0.0062		27	
Beryllium	0.003	NS	72	ND		ND	
Cadmium	0.003	<1	4.3	ND		ND	
Calcium	NA	NS	NS	11.3		180000	
Chromium	0.05	<43	180	0.00119		12	
Cobalt	NS	NS	NS	0.0004	J	3	
Copper	0.2	<32	270	0.00229		13	
Iron	0.3	NS	NA	***0.798***		9200	
Lead	0.025	<36	400	0.00215		**44**	
Magnesium	NA	NS	NS	1.14		37000	
Manganese	0.3	NS	2000	0.0297		520	
Mercury	0.0007	<0.2	0.81	ND		0.06	J, B
Nickel	0.1	<23	310	0.00145	J	9.1	
Potassium	NS	NS	NA	1.48		640	
Selenium	NS	NS	180	ND		ND	
Silver	NS	<1	180	ND		ND	
Sodium	20	NS	NS	14		250	
Thalium	NS	NS	NS	ND		ND	
Vanadium	NS	NS	NS	0.00223	J	8.1	
Zinc	NS	<120	10000	0.01934		49	

TABLE 4-2

SUMMARY OF ANALYTICAL RESULTS FOR STORMWATER & SEDIMENT SAMPLES

MARCH 2017

89 LASALLE AVENUE BCP SITE # C915283

LEGACY LASALLE, LLC.

BUFFALO, NY

Notes & Data Qualifiers:

* Freshwater Sediment Guidance Values for Class A Sediments. "*Screening & Assessment of Contaminated Sediment*" , NYSDEC, June 2014

B = Analyte was detected in associated method blank.

J = Analyte detected at a level less than the reporting limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

Footnotes:

1 All results are in Parts per Million (PPM) unless stated otherwise.

6.1 = Sample concentration exceeds the respective Water Quality Standards from 6 NYCRR Part 703.

0.34 = Sample concentration exceeds NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives (SCOs)

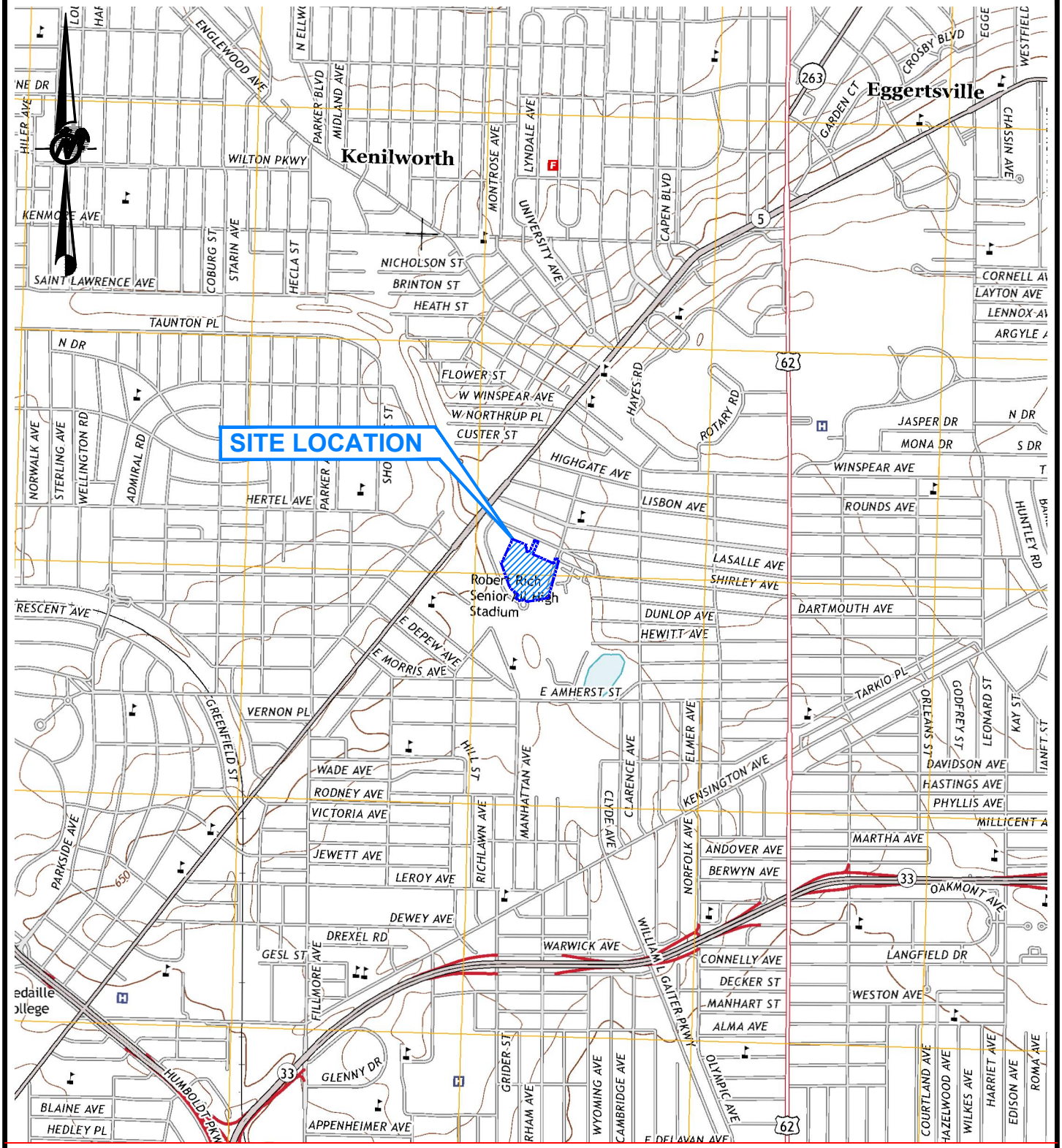
44 = Sample concentration exceeds NYSDEC B10 Freshwater Sediment Guidance Value for Class A sediments

ND = Non detectable concentration by approved analytical methods; water quality standard.

NS = Not Specified.

Table by:	RJM
Checked by:	DML
Reviewed by:	PTM

FIGURES



REFERENCE

1.) BASE FROM 7.5 MINUTE QUADRANGLE OF BUFFALO NORTHEAST, NEW YORK DATED 2013.

2000 0 2000
SCALE FEET

Golder Associates
Buffalo, New York

SCALE	AS SHOWN
DATE	5/12/15
DESIGN	JGT
CADD	JGT
CHECK	
REVIEW	

FILE No. 1400657
PROJECT No. 1400657 REV. 0

TITLE

SITE VICINITY MAP

89 LASALLE AVENUE BCP SITE

PERIODIC REVIEW REPORT

LEGACY LASALLE LLC

FIGURE 1-1

Drawing file: Figure 1; Project Site Map.dwg May 12, 2015 – 9:12am

LEGEND

- Sampling Location (Stormwater & Sediment)
- Parcel Boundary
- BCP Site Boundary

N

100 50 0 100
Feet

REFERENCES

ORTHOGRAPHIC MAP - , Parcel boundaries and site boundary from Golder Site Plan dated 2/27/15.

REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT

SITE MANAGEMENT PLAN
LEGACY LASALLE, LLC - BUFFALO, NEW YORK

TITLE

SITE PLAN & SAMPLING LOCATION
PPR REPORT
89 LASALLE AVE SITE

Golder Associates

PROJECT No.		1776165	FILE No.	1776165002
DESIGN	---	---	SCALE: AS SHOWN	REV. 0
GIS	LBS	5/5/2017		
CHECK	---	---		
REVIEW	PTM	5/5/2017		

FIGURE 4-1

Map Document: G:\Drafting\Projects\2017\1776165 - 89 Lasalle\map documents\1776165002.mxd / Modified 5/5/2017 2:11:43 PM by LStafford / Exported 5/5/2017 2:12:03 PM by LStafford

APPENDIX A

ANALYTICAL DATA REPORT – TESTAMERICA

MARCH 2017

ANALYTICAL REPORT

Lab Number:	L1710024
Client:	Golder Associates Inc. 2430 North Forest Rd. Suite 100 Getzville, NY 14068
ATTN:	Patrick Martin
Phone:	(716) 204-5880
Project Name:	89 LASALLE BCP SITE
Project Number:	Not Specified
Report Date:	04/07/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1710024-01	MH-1 STORMWATER	WATER	89 LASALLE AVE, BUFFALO	03/31/17 10:45	04/03/17
L1710024-02	MH-1 SEDIMENT	SOLID	89 LASALLE AVE, BUFFALO	03/31/17 11:05	04/03/17

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1710024-02: At the client's request, the sample was analyzed for the Metals analysis.

Metals

L1710024-02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG991313-1 Method Blank, associated with L1710024-01, has a concentration above the reporting limit for manganese. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 04/07/17

ORGANICS

SEMIVOLATILES

Project Name: 89 LASALLE BCP SITE
Lab Number: L1710024
Project Number: Not Specified
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-01
Client ID: MH-1 STORMWATER
Sample Location: 89 LASALLE AVE, BUFFALO
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 04/06/17 06:03
Analyst: KV

Date Collected: 03/31/17 10:45
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 04/04/17 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.72	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1

Project Name: 89 LASALLE BCP SITE
Lab Number: L1710024
Project Number: Not Specified
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-01
Client ID: MH-1 STORMWATER
Sample Location: 89 LASALLE AVE, BUFFALO
Date Collected: 03/31/17 10:45
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Project Name: 89 LASALLE BCP SITE
Lab Number: L1710024
Project Number: Not Specified
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-01
Client ID: MH-1 STORMWATER
Sample Location: 89 LASALLE AVE, BUFFALO
Date Collected: 03/31/17 10:45
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	57		41-149

Project Name: 89 LASALLE BCP SITE
Lab Number: L1710024
Project Number: Not Specified
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-02
Client ID: MH-1 SEDIMENT
Sample Location: 89 LASALLE AVE, BUFFALO
Matrix: Solid
Analytical Method: 1,8270D
Analytical Date: 04/07/17 02:38
Analyst: PS
Percent Solids: 66%

Date Collected: 03/31/17 11:05
Date Received: 04/03/17
Field Prep: Not Specified
Extraction Method: EPA 3540C
Extraction Date: 04/05/17 08:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	610		ug/kg	200	26.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	34.	1
2-Chloronaphthalene	ND		ug/kg	250	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	66.	1
2,4-Dinitrotoluene	ND		ug/kg	250	50.	1
2,6-Dinitrotoluene	ND		ug/kg	250	42.	1
Fluoranthene	6100		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	710	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	370		ug/kg	250	30.	1
Nitrobenzene	ND		ug/kg	220	37.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	38.	1
Bis(2-ethylhexyl)phthalate	490		ug/kg	250	86.	1
Butyl benzyl phthalate	ND		ug/kg	250	62.	1
Di-n-butylphthalate	ND		ug/kg	250	47.	1
Di-n-octylphthalate	ND		ug/kg	250	84.	1
Diethyl phthalate	ND		ug/kg	250	23.	1
Dimethyl phthalate	ND		ug/kg	250	52.	1
Benzo(a)anthracene	2700		ug/kg	150	28.	1
Benzo(a)pyrene	2100		ug/kg	200	60.	1
Benzo(b)fluoranthene	2900		ug/kg	150	42.	1
Benzo(k)fluoranthene	1100		ug/kg	150	40.	1

Project Name: 89 LASALLE BCP SITE
Lab Number: L1710024
Project Number: Not Specified
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-02
Client ID: MH-1 SEDIMENT
Sample Location: 89 LASALLE AVE, BUFFALO
Date Collected: 03/31/17 11:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Chrysene	2600		ug/kg	150	26.	1
Acenaphthylene	69	J	ug/kg	200	38.	1
Anthracene	1900		ug/kg	150	48.	1
Benzo(ghi)perylene	980		ug/kg	200	29.	1
Fluorene	1000		ug/kg	250	24.	1
Phenanthrene	6900		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	330		ug/kg	150	29.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	200	34.	1
Pyrene	4700		ug/kg	150	25.	1
Biphenyl	87	J	ug/kg	560	58.	1
4-Chloroaniline	ND		ug/kg	250	45.	1
2-Nitroaniline	ND		ug/kg	250	48.	1
3-Nitroaniline	ND		ug/kg	250	47.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	720		ug/kg	250	23.	1
2-Methylnaphthalene	240	J	ug/kg	300	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	31.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	47.	1
p-Chloro-m-cresol	ND		ug/kg	250	37.	1
2-Chlorophenol	ND		ug/kg	250	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	250	82.	1
2-Nitrophenol	ND		ug/kg	540	93.	1
4-Nitrophenol	ND		ug/kg	350	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	250	37.	1
2-Methylphenol	ND		ug/kg	250	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	360	39.	1
2,4,5-Trichlorophenol	ND		ug/kg	250	48.	1
Carbazole	910		ug/kg	250	24.	1
Atrazine	ND		ug/kg	200	87.	1
Benzaldehyde	ND		ug/kg	330	67.	1
Caprolactam	ND		ug/kg	250	75.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	250	50.	1

Project Name: 89 LASALLE BCP SITE
Lab Number: L1710024
Project Number: Not Specified
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-02
Client ID: MH-1 SEDIMENT
Sample Location: 89 LASALLE AVE, BUFFALO
Date Collected: 03/31/17 11:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	62		18-120

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/17 14:56
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/04/17 06:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG990729-1					
Acenaphthene	ND		ug/l	2.0	0.59
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.72
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/17 14:56
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/04/17 06:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG990729-1					
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/05/17 14:56
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 04/04/17 06:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG990729-1					
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	56		41-149

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/17 19:05
Analyst: PS

Extraction Method: EPA 3540C
Extraction Date: 04/05/17 08:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG991182-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/17 19:05
Analyst: PS

Extraction Method: EPA 3540C
Extraction Date: 04/05/17 08:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG991182-1					
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/06/17 19:05
Analyst: PS

Extraction Method: EPA 3540C
Extraction Date: 04/05/17 08:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG991182-1					
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	70		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG990729-2 WG990729-3								
Acenaphthene	58		58		37-111	0		30
Hexachlorobenzene	67		66		40-140	2		30
Bis(2-chloroethyl)ether	61		57		40-140	7		30
2-Chloronaphthalene	63		63		40-140	0		30
3,3'-Dichlorobenzidine	**36**	Q	**36**	Q	40-140	0		30
2,4-Dinitrotoluene	68		68		48-143	0		30
2,6-Dinitrotoluene	70		70		40-140	0		30
Fluoranthene	63		62		40-140	2		30
4-Chlorophenyl phenyl ether	61		61		40-140	0		30
4-Bromophenyl phenyl ether	66		67		40-140	2		30
Bis(2-chloroisopropyl)ether	57		54		40-140	5		30
Bis(2-chloroethoxy)methane	66		65		40-140	2		30
Hexachlorobutadiene	58		56		40-140	4		30
Hexachlorocyclopentadiene	64		60		40-140	6		30
Hexachloroethane	58		55		40-140	5		30
Isophorone	66		64		40-140	3		30
Naphthalene	58		56		40-140	4		30
Nitrobenzene	67		63		40-140	6		30
NDPA/DPA	62		62		40-140	0		30
n-Nitrosodi-n-propylamine	64		63		29-132	2		30
Bis(2-ethylhexyl)phthalate	62		62		40-140	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG990729-2 WG990729-3								
Butyl benzyl phthalate	66		66		40-140	0		30
Di-n-butylphthalate	64		64		40-140	0		30
Di-n-octylphthalate	63		62		40-140	2		30
Diethyl phthalate	63		63		40-140	0		30
Dimethyl phthalate	70		69		40-140	1		30
Benzo(a)anthracene	57		57		40-140	0		30
Benzo(a)pyrene	59		59		40-140	0		30
Benzo(b)fluoranthene	59		58		40-140	2		30
Benzo(k)fluoranthene	58		58		40-140	0		30
Chrysene	56		57		40-140	2		30
Acenaphthylene	66		65		45-123	2		30
Anthracene	59		60		40-140	2		30
Benzo(ghi)perylene	60		61		40-140	2		30
Fluorene	61		60		40-140	2		30
Phenanthrene	60		60		40-140	0		30
Dibenzo(a,h)anthracene	60		61		40-140	2		30
Indeno(1,2,3-cd)pyrene	60		62		40-140	3		30
Pyrene	61		62		26-127	2		30
Biphenyl	67		66		40-140	2		30
4-Chloroaniline	**39**	Q	41		40-140	5		30
2-Nitroaniline	76		78		52-143	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG990729-2 WG990729-3								
3-Nitroaniline	58		60		25-145	3		30
4-Nitroaniline	69		72		51-143	4		30
Dibenzofuran	60		59		40-140	2		30
2-Methylnaphthalene	61		60		40-140	2		30
1,2,4,5-Tetrachlorobenzene	66		64		2-134	3		30
Acetophenone	68		63		39-129	8		30
2,4,6-Trichlorophenol	73		70		30-130	4		30
p-Chloro-m-cresol	67		68		23-97	1		30
2-Chlorophenol	62		59		27-123	5		30
2,4-Dichlorophenol	72		69		30-130	4		30
2,4-Dimethylphenol	72		70		30-130	3		30
2-Nitrophenol	73		72		30-130	1		30
4-Nitrophenol	46		48		10-80	4		30
2,4-Dinitrophenol	77		78		20-130	1		30
4,6-Dinitro-o-cresol	80		81		20-164	1		30
Pentachlorophenol	71		71		9-103	0		30
Phenol	31		30		12-110	3		30
2-Methylphenol	59		58		30-130	2		30
3-Methylphenol/4-Methylphenol	58		57		30-130	2		30
2,4,5-Trichlorophenol	72		70		30-130	3		30
Carbazole	60		61		55-144	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG990729-2 WG990729-3								
Atrazine	59		60		40-140	2		30
Benzaldehyde	59		58		40-140	2		30
Caprolactam	20		21		10-130	5		30
2,3,4,6-Tetrachlorophenol	70		70		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		34		21-120
Phenol-d6	26		25		10-120
Nitrobenzene-d5	57		55		23-120
2-Fluorobiphenyl	52		50		15-120
2,4,6-Tribromophenol	58		57		10-120
4-Terphenyl-d14	49		49		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG991182-2 WG991182-3								
Acenaphthene	72		73		31-137	1		50
Hexachlorobenzene	87		86		40-140	1		50
Bis(2-chloroethyl)ether	80		79		40-140	1		50
2-Chloronaphthalene	79		79		40-140	0		50
3,3'-Dichlorobenzidine	67		68		40-140	1		50
2,4-Dinitrotoluene	86		85		40-132	1		50
2,6-Dinitrotoluene	87		85		40-140	2		50
Fluoranthene	81		81		40-140	0		50
4-Chlorophenyl phenyl ether	77		77		40-140	0		50
4-Bromophenyl phenyl ether	80		80		40-140	0		50
Bis(2-chloroisopropyl)ether	64		64		40-140	0		50
Bis(2-chloroethoxy)methane	83		83		40-117	0		50
Hexachlorobutadiene	77		78		40-140	1		50
Hexachlorocyclopentadiene	65		67		40-140	3		50
Hexachloroethane	72		73		40-140	1		50
Isophorone	83		83		40-140	0		50
Naphthalene	78		78		40-140	0		50
Nitrobenzene	86		86		40-140	0		50
NDPA/DPA	80		80		36-157	0		50
n-Nitrosodi-n-propylamine	87		85		32-121	2		50
Bis(2-ethylhexyl)phthalate	89		92		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG991182-2 WG991182-3								
Butyl benzyl phthalate	91		91		40-140	0		50
Di-n-butylphthalate	83		83		40-140	0		50
Di-n-octylphthalate	92		93		40-140	1		50
Diethyl phthalate	81		80		40-140	1		50
Dimethyl phthalate	81		78		40-140	4		50
Benzo(a)anthracene	76		77		40-140	1		50
Benzo(a)pyrene	81		84		40-140	4		50
Benzo(b)fluoranthene	81		85		40-140	5		50
Benzo(k)fluoranthene	80		82		40-140	2		50
Chrysene	77		79		40-140	3		50
Acenaphthylene	81		80		40-140	1		50
Anthracene	81		82		40-140	1		50
Benzo(ghi)perylene	74		76		40-140	3		50
Fluorene	79		79		40-140	0		50
Phenanthrene	79		82		40-140	4		50
Dibenzo(a,h)anthracene	76		78		40-140	3		50
Indeno(1,2,3-cd)pyrene	76		77		40-140	1		50
Pyrene	82		81		35-142	1		50
Biphenyl	90		88		54-104	2		50
4-Chloroaniline	62		61		40-140	2		50
2-Nitroaniline	92		89		47-134	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG991182-2 WG991182-3								
3-Nitroaniline	73		75		26-129	3		50
4-Nitroaniline	87		86		41-125	1		50
Dibenzofuran	77		78		40-140	1		50
2-Methylnaphthalene	78		78		40-140	0		50
1,2,4,5-Tetrachlorobenzene	79		78		40-117	1		50
Acetophenone	94		93		14-144	1		50
2,4,6-Trichlorophenol	83		83		30-130	0		50
p-Chloro-m-cresol	91		89		26-103	2		50
2-Chlorophenol	79		82		25-102	4		50
2,4-Dichlorophenol	84		84		30-130	0		50
2,4-Dimethylphenol	93		91		30-130	2		50
2-Nitrophenol	87		86		30-130	1		50
4-Nitrophenol	94		94		11-114	0		50
2,4-Dinitrophenol	68		75		4-130	10		50
4,6-Dinitro-o-cresol	85		86		10-130	1		50
Pentachlorophenol	79		78		17-109	1		50
Phenol	86		87		26-90	1		50
2-Methylphenol	86		85		30-130.	1		50
3-Methylphenol/4-Methylphenol	89		88		30-130	1		50
2,4,5-Trichlorophenol	89		84		30-130	6		50
Carbazole	82		83		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG991182-2 WG991182-3								
Atrazine	88		87		40-140	1		50
Benzaldehyde	69		70		40-140	1		50
Caprolactam	79		81		15-130	3		50
2,3,4,6-Tetrachlorophenol	84		84		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		84		25-120
Phenol-d6	90		91		10-120
Nitrobenzene-d5	88		87		23-120
2-Fluorobiphenyl	84		83		30-120
2,4,6-Tribromophenol	100		100		10-136
4-Terphenyl-d14	89		88		18-120

METALS

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-01
Client ID: MH-1 STORMWATER
Sample Location: 89 LASALLE AVE, BUFFALO
Matrix: Water
Date Collected: 03/31/17 10:45
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.573		mg/l	0.0100	0.00327	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Antimony, Total	0.00044	J	mg/l	0.00400	0.00042	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00046	J	mg/l	0.00050	0.00016	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Barium, Total	0.00662		mg/l	0.00050	0.00017	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Calcium, Total	11.3		mg/l	0.100	0.0394	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Chromium, Total	0.00119		mg/l	0.00100	0.00017	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00040	J	mg/l	0.00050	0.00016	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Copper, Total	0.00229		mg/l	0.00100	0.00038	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Iron, Total	0.798		mg/l	0.0500	0.0191	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Lead, Total	0.00215		mg/l	0.00100	0.00034	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Magnesium, Total	1.14		mg/l	0.0700	0.0242	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Manganese, Total	0.02970		mg/l	0.00100	0.00044	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/05/17 09:53	04/05/17 18:37	EPA 7470A	1,7470A	EA
Nickel, Total	0.00145	J	mg/l	0.00200	0.00055	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Potassium, Total	1.48		mg/l	0.100	0.0309	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Sodium, Total	14.0		mg/l	0.100	0.0293	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00223	J	mg/l	0.00500	0.00157	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM
Zinc, Total	0.01934		mg/l	0.01000	0.00341	1	04/05/17 12:45	04/07/17 12:09	EPA 3005A	1,6020A	AM

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-02
Client ID: MH-1 SEDIMENT
Sample Location: 89 LASALLE AVE, BUFFALO
Matrix: Solid
Percent Solids: 66%

Date Collected: 03/31/17 11:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3100		mg/kg	12	3.2	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Antimony, Total	ND		mg/kg	5.9	0.45	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Arsenic, Total	5.6		mg/kg	1.2	0.25	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Barium, Total	27		mg/kg	1.2	0.21	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.59	0.04	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	1.2	0.12	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Calcium, Total	180000		mg/kg	59	21.	10	04/06/17 06:35	04/07/17 12:30	EPA 3050B	1,6010C	PS
Chromium, Total	12		mg/kg	1.2	0.11	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Cobalt, Total	3.0		mg/kg	2.4	0.20	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Copper, Total	13		mg/kg	1.2	0.31	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Iron, Total	9200		mg/kg	5.9	1.1	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Lead, Total	44		mg/kg	5.9	0.32	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Magnesium, Total	37000		mg/kg	12	1.8	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Manganese, Total	520		mg/kg	1.2	0.19	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Mercury, Total	0.06	J	mg/kg	0.10	0.02	1	04/06/17 09:40	04/06/17 12:43	EPA 7471B	1,7471B	BV
Nickel, Total	9.1		mg/kg	3.0	0.29	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Potassium, Total	640		mg/kg	300	17.	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	2.4	0.31	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	1.2	0.34	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Sodium, Total	250		mg/kg	240	3.7	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	2.4	0.37	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Vanadium, Total	8.1		mg/kg	1.2	0.24	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS
Zinc, Total	49		mg/kg	5.9	0.35	2	04/06/17 06:35	04/06/17 14:38	EPA 3050B	1,6010C	PS

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG991232-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	04/05/17 09:53	04/05/17 18:30	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG991313-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Antimony, Total	0.00051	J	mg/l	0.00400	0.00042	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Manganese, Total	0.00117		mg/l	0.00100	0.00044	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/05/17 12:45	04/07/17 11:02	1,6020A	AM

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG991543-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/06/17 09:40	04/06/17 11:13	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG991556-1										
Aluminum, Total	ND		mg/kg	4.0	1.1	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Antimony, Total	ND		mg/kg	2.0	0.15	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.40	0.08	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Barium, Total	ND		mg/kg	0.40	0.07	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.20	0.01	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.40	0.04	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Calcium, Total	ND		mg/kg	4.0	1.4	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Chromium, Total	ND		mg/kg	0.40	0.04	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.80	0.07	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Copper, Total	ND		mg/kg	0.40	0.10	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Iron, Total	ND		mg/kg	2.0	0.36	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Lead, Total	ND		mg/kg	2.0	0.11	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.0	0.62	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Manganese, Total	0.13	J	mg/kg	0.40	0.06	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Nickel, Total	ND		mg/kg	1.0	0.10	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.8	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Selenium, Total	ND		mg/kg	0.80	0.10	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Silver, Total	ND		mg/kg	0.40	0.11	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Sodium, Total	ND		mg/kg	80	1.3	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Thallium, Total	ND		mg/kg	0.80	0.13	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.40	0.08	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified
Lab Number: L1710024
Report Date: 04/07/17

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.12	1	04/06/17 06:35	04/06/17 10:04	1,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG991232-2								
Mercury, Total	113		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG991313-2					
Aluminum, Total	106	-	80-120	-	
Antimony, Total	104	-	80-120	-	
Arsenic, Total	113	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	111	-	80-120	-	
Calcium, Total	110	-	80-120	-	
Chromium, Total	105	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	99	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	109	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	108	-	80-120	-	
Thallium, Total	97	-	80-120	-	
Vanadium, Total	112	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG991313-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG991543-2 SRM Lot Number: D091-540					
Mercury, Total	81	-	72-128	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG991556-2 SRM Lot Number: D091-540					
Aluminum, Total	64	-	52-148	-	
Antimony, Total	171	-	1-200	-	
Arsenic, Total	96	-	80-121	-	
Barium, Total	91	-	84-117	-	
Beryllium, Total	89	-	83-117	-	
Cadmium, Total	98	-	83-117	-	
Calcium, Total	86	-	81-118	-	
Chromium, Total	91	-	80-119	-	
Cobalt, Total	97	-	84-115	-	
Copper, Total	98	-	82-117	-	
Iron, Total	87	-	47-154	-	
Lead, Total	96	-	82-118	-	
Magnesium, Total	83	-	77-123	-	
Manganese, Total	91	-	82-118	-	
Nickel, Total	101	-	83-117	-	
Potassium, Total	79	-	72-128	-	
Selenium, Total	90	-	79-121	-	
Silver, Total	89	-	75-124	-	
Sodium, Total	82	-	73-126	-	
Thallium, Total	92	-	80-121	-	
Vanadium, Total	96	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 89 LASALLE BCP SITE

Project Number: Not Specified

Lab Number: L1710024

Report Date: 04/07/17

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG991556-2 SRM Lot Number: D091-540					
Zinc, Total	88	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG991232-3 QC Sample: L1710024-01 Client ID: MH-1 STORMWATER												
Mercury, Total	ND	0.005	0.00515	103		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG991313-3 QC Sample: L1710024-01 Client ID: MH-1 STORMWATER									
Aluminum, Total	0.573	2	2.60	101	-	-	75-125	-	20
Antimony, Total	0.00044J	0.5	0.4958	99	-	-	75-125	-	20
Arsenic, Total	0.00046J	0.12	0.1316	110	-	-	75-125	-	20
Barium, Total	0.00662	2	1.954	97	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04846	97	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05576	109	-	-	75-125	-	20
Calcium, Total	11.3	10	21.0	97	-	-	75-125	-	20
Chromium, Total	0.00119	0.2	0.2100	104	-	-	75-125	-	20
Cobalt, Total	0.00040J	0.5	0.5151	103	-	-	75-125	-	20
Copper, Total	0.00229	0.25	0.2642	105	-	-	75-125	-	20
Iron, Total	0.798	1	1.77	97	-	-	75-125	-	20
Lead, Total	0.00215	0.51	0.5231	102	-	-	75-125	-	20
Magnesium, Total	1.14	10	11.9	108	-	-	75-125	-	20
Manganese, Total	0.02970	0.5	0.5351	101	-	-	75-125	-	20
Nickel, Total	0.00145J	0.5	0.4978	100	-	-	75-125	-	20
Potassium, Total	1.48	10	12.0	105	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.134	112	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04885	98	-	-	75-125	-	20
Sodium, Total	14.0	10	24.4	104	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1219	102	-	-	75-125	-	20
Vanadium, Total	0.00223J	0.5	0.5516	110	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG991313-3 QC Sample: L1710024-01 Client ID: MH-1 STORMWATER										
Zinc, Total	0.01934	0.5	0.5254	101		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG991543-3 QC Sample: L1710492-01 Client ID: MS Sample										
Mercury, Total	2.0	0.199	1.3	**0**	Q	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG991556-3 QC Sample: L1710492-01 Client ID: MS Sample										
Aluminum, Total	8900	237	15000	**2580**	Q	-	-	75-125	-	20
Antimony, Total	1.3J	59.2	51	86		-	-	75-125	-	20
Arsenic, Total	10.	14.2	21	77		-	-	75-125	-	20
Barium, Total	180	237	340	**68**	Q	-	-	75-125	-	20
Beryllium, Total	0.64	5.92	5.7	86		-	-	75-125	-	20
Cadmium, Total	ND	6.03	5.1	84		-	-	75-125	-	20
Calcium, Total	3400	1180	3600	**17**	Q	-	-	75-125	-	20
Chromium, Total	19.	23.7	44	106		-	-	75-125	-	20
Cobalt, Total	11.	59.2	61	84		-	-	75-125	-	20
Copper, Total	34.	29.6	51	**57**	Q	-	-	75-125	-	20
Iron, Total	17000	118	22000	**4220**	Q	-	-	75-125	-	20
Lead, Total	240	60.3	250	**16**	Q	-	-	75-125	-	20
Magnesium, Total	900	1180	2200	110		-	-	75-125	-	20
Manganese, Total	500	59.2	250	**0**	Q	-	-	75-125	-	20
Nickel, Total	12.	59.2	62	84		-	-	75-125	-	20
Potassium, Total	900	1180	2200	110		-	-	75-125	-	20
Selenium, Total	ND	14.2	12	84		-	-	75-125	-	20
Silver, Total	0.32J	35.5	34	96		-	-	75-125	-	20
Sodium, Total	240	1180	1300	90		-	-	75-125	-	20
Thallium, Total	ND	14.2	12	84		-	-	75-125	-	20
Vanadium, Total	32.	59.2	98	112		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG991556-3 QC Sample: L1710492-01 Client ID: MS Sample										
Zinc, Total	740	59.2	160	**0**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG991232-4 QC Sample: L1710024-01 Client ID: MH-1 STORMWATER						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG991313-4 QC Sample: L1710024-01 Client ID: MH-1 STORMWATER					
Aluminum, Total	0.573	0.581	mg/l	1	20
Antimony, Total	0.00044J	ND	mg/l	NC	20
Arsenic, Total	0.00046J	0.00040J	mg/l	NC	20
Barium, Total	0.00662	0.00711	mg/l	7	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	11.3	11.8	mg/l	4	20
Chromium, Total	0.00119	0.00127	mg/l	6	20
Cobalt, Total	0.00040J	0.00039J	mg/l	NC	20
Copper, Total	0.00229	0.00231	mg/l	1	20
Iron, Total	0.798	0.845	mg/l	6	20
Lead, Total	0.00215	0.00210	mg/l	2	20
Magnesium, Total	1.14	1.17	mg/l	3	20
Manganese, Total	0.02970	0.03020	mg/l	2	20
Nickel, Total	0.00145J	0.00110J	mg/l	NC	20
Potassium, Total	1.48	1.53	mg/l	3	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	14.0	13.9	mg/l	1	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG991313-4 QC Sample: L1710024-01 Client ID: MH-1 STORMWATER						
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	0.00223J	0.00227J	mg/l	NC		20
Zinc, Total	0.01934	0.01867	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG991543-4 QC Sample: L1710492-01 Client ID: DUP Sample						
Mercury, Total	2.0	0.69	mg/kg	**97**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG991556-4 QC Sample: L1710492-01 Client ID: DUP Sample						
Aluminum, Total	8900	9700	mg/kg	9		20
Antimony, Total	1.3J	0.70J	mg/kg	NC		20
Arsenic, Total	10.	8.8	mg/kg	13		20
Barium, Total	180	110	mg/kg	**48**	Q	20
Beryllium, Total	0.64	0.61	mg/kg	5		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	3400	8100	mg/kg	**82**	Q	20
Chromium, Total	19.	19	mg/kg	0		20
Cobalt, Total	11.	11	mg/kg	0		20
Copper, Total	34.	21	mg/kg	**47**	Q	20
Iron, Total	17000	18000	mg/kg	6		20
Lead, Total	240	220	mg/kg	9		20
Magnesium, Total	900	960	mg/kg	6		20
Manganese, Total	500	180	mg/kg	**94**	Q	20
Nickel, Total	12.	9.8	mg/kg	20		20
Potassium, Total	900	940	mg/kg	4		20
Selenium, Total	ND	0.49J	mg/kg	NC		20
Silver, Total	0.32J	ND	mg/kg	NC		20
Sodium, Total	240	180J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG991556-4 QC Sample: L1710492-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	32.	34	mg/kg	6		20
Zinc, Total	740	75	mg/kg	**163**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

SAMPLE RESULTS

Lab ID: L1710024-02
Client ID: MH-1 SEDIMENT
Sample Location: 89 LASALLE AVE, BUFFALO
Matrix: Solid

Date Collected: 03/31/17 11:05
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.6		%	0.100	NA	1	-	04/05/17 20:43	121,2540G	SH

Lab Duplicate Analysis
Batch Quality Control

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG991481-1 QC Sample: L1710539-01 Client ID: DUP Sample						
Solids, Total	80.5	82.5	%	2		20

Project Name: 89 LASALLE BCP SITE
Project Number: Not Specified

Lab Number: L1710024
Report Date: 04/07/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1710024-01A	Plastic 250ml HNO3 preserved	A	<2	3.3	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),ASP-B(0),CO-6020T(180)
L1710024-01B	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7)
L1710024-01C	Amber 1000ml unpreserved	A	7	3.3	Y	Absent	NYTCL-8270(7)
L1710024-02A	Glass 120ml/4oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1710024-02B	Metals Only - Glass 60mL/2oz unp	A	N/A	3.3	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	89 LASALLE BCP SITE	**Lab Number:**	L1710024
Project Number:	Not Specified	**Report Date:**	04/07/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	89 LASALLE BCP SITE	**Lab Number:**	L1710024
Project Number:	Not Specified	**Report Date:**	04/07/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	89 LASALLE BCP SITE	**Lab Number:**	L1710024
Project Number:	Not Specified	**Report Date:**	04/07/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/4/17

ALPHA Job #: L1710024

Client Information
Client: GOLDER ASSOCIATES
Address: 2430 N. FOREST AVE SUITE 100, GETZVILLE NY 14052
Phone: 716-204-5480
Fax:
Email: ptmartin@golder.com

Project Information
Project Name: 89 LASALLE BCP SITE
Project Location: 89 LASALLE AVE, BUFFALO
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPA 8270D	TAL Metals 6010C	Total Bottle	Sample Specific Comments
10024 - 01	MH-1 STORMWATER	3/31/17	10:45	WATER	RTM	X	X	2	
02	MH-1 SEDIMENT	3/31/17	11:05	SED.	RTM	X		1	VERY LIMITED SAMPLE VOLUME AVAIL.

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Richard T. Martin	4/3/17 11:00		
J. Doorn ABL	4/3/17 1500		4/4/17 8:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX B

ANNUAL SITE INSPECTION FORM & PHOTO LOG DOCUMENTATION

89 LaSalle Avenue
BUFFALO, NEW YORK
Site Management Plan

NYSDEC Site Number: C915283

SEMI-ANNUAL INSPECTION FORM

MARCH 31, 2017

Inspection Item Description	Frequency	Comments	Corrective Action (If Required)
Site Cover Systems: - Soil Cover - Asphalt Paved Areas - Concrete Sidewalks and other concrete structures - Other (if applicable) **Document specific locations and nature of condition issue if any observed.**	Semi-Annually	SOIL COVER IS IN GOOD CONDITION, FOOTPRINT FOR FUTURE BLDG I WAS RECENTLY STABILIZED EXCELLENT CONDITION - TOP COAT NOT APPLIED ON ALL AREAS - TO BE COMPLETED IN NEXT 2 MOS. EXCELLENT CONDITION STRUCTURES ARE IN EXCELLENT CONDITION (NEW IN 2016/2017)	LANDSCAPING (FINAL) OF REMAINING OPEN GRASS AREAS IS BEING COMPLETED FOR SPRING SEASON - ONGOING.
Stormwater – Manhole Discharge Sampling Location General Condition	Semi-Annually	COMPLETED @ MH-1 ON 3/31/17 AFTER 0.5" RAINFALL MH IN EXCELLENT COND.	NOT REQ'D
Excavation Work Locations – General Conditions	Per Occurrence	NO CURRENT EXCAVATIONS ON-SITE	NOT REQ'D

Victor T. Mantia
3/31/17

Project Title: Site Management Plan: 89 LaSalle Ave Site – PRR Site Inspection

PHOTO 1 **Future Building 1 location, stabilized. Looking South** **03/31/17**	
PHOTO 2 **Future Building 1 location, stabilized. Looking southeast** **03/31/17**	

PHOTO 3 **Buildings 2 and 5 parking lots. Looking east** **03/31/17**	
PHOTO 4 **South property line near William Price Parkway. Looking west** **03/31/17**	

PHOTO 5 **Access road and parking between Buildings 4 and 5. Looking northeast** **03/31/17**	
PHOTO 6 **East parking lot adjacent to Building 2. Looking east** **03/31/17**	

PHOTO 7 **MH-1 – Stormwater/sediment sample location**	
PHOTO 8 **North end of future Building 1 location. Looking east northeast** **03/31/17**	

PHOTO 9 **East side of Building 5 Access road. Looking South/southeast** **03/31/17**	
PHOTO 10 **Access road south of Building 4. Looking east.** **03/31/17**	

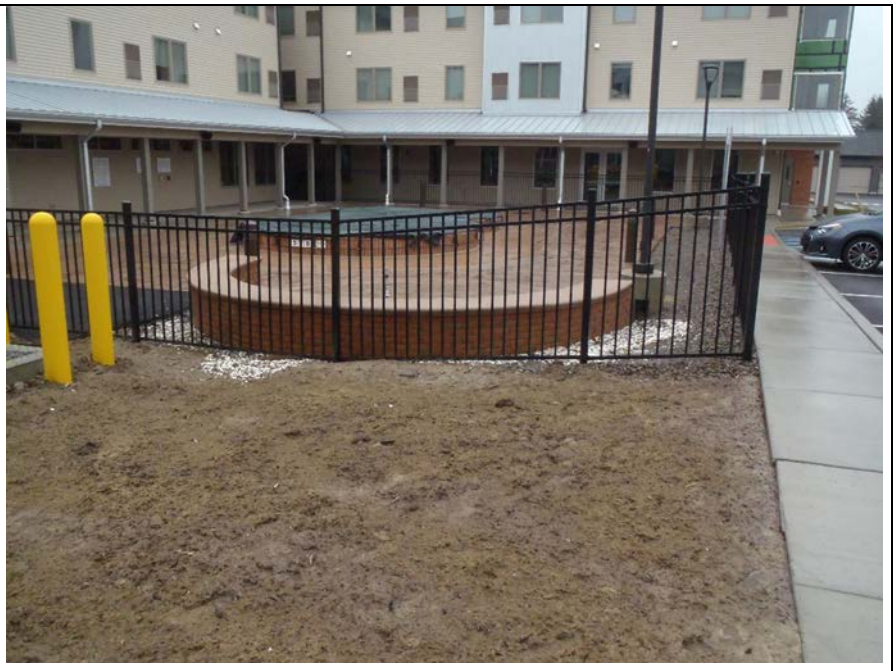
PHOTO 11 **Building 2 courtyard. Looking Northeast** **03/31/17**	
PHOTO 12 **Access road and sidewalk areas between Buildings 2 and 5. Looking northwest.** **03/31/17**	

PHOTO 13 **Main entrance traffic circle. Looking northwest.** **03/31/17**	
PHOTO 14 **Building 5 courtyard area, stabilized. Looking northeast.** **03/31/17**	

PHOTO 15 **Access road and parking areas north of Building 2. Looking east/northeast.** **03/31/17**	

APPENDIX C

SITE C915283 SITE MANAGEMENT PLAN PERIODIC REVIEW REPORT – 2016/2017
ICS-ECS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C915283

Site Name 89 LaSalle Avenue Site

Site Address: 89 LaSalle Avenue Zip Code: 14212
City/Town: Buffalo
County: Erie
Site Acreage: 9.2

Reporting Period: December 29, 2015 to March 30, 2017

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	X	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915283

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
79.70-2-11	Legacy LaSalle, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of groundwater use.
2. Land use restricted to Restricted Residential, Commercial or Industrial purposes.
3. Soil Management for any future intrusive work.

79.70-2-17.1	Legacy LaSalle, LLC	Landuse Restriction Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of groundwater use.
2. Land use restricted to Restricted Residential, Commercial or Industrial purposes.
3. Soil Management for any future intrusive work.

79.70-2-18	Legacy LaSalle, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of groundwater use.
2. Land use restricted to Restricted Residential, Commercial or Industrial purposes.
3. Soil Management for any future intrusive work.

portion of 79.70-2-16.11	Legacy LaSalle, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of groundwater use.
2. Land use restricted to Restricted Residential, Commercial or Industrial purposes.
3. Soil Management for any future intrusive work.

portion of 79.70-2-17.2	Legacy LaSalle, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

1. Prohibition of groundwater use.
2. Land use restricted to Restricted Residential, Commercial or Industrial purposes.
3. Soil Management for any future intrusive work.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
79.70-2-11	Cover System
1. Monitoring and maintenance of the cover system. 2. Semi-annual storm water and sediment monitoring.	
79.70-2-17.1	Cover System
1. Monitoring and maintenance of the cover system. 2. Semi-annual storm water and sediment monitoring.	
79.70-2-18	Cover System
1. Monitoring and maintenance of the cover system. 2. Semi-annual storm water and sediment monitoring.	
portion of 79.70-2-16.11	Cover System Cover System
1. Monitoring and maintenance of the cover system. 2. Semi-annual storm water and sediment monitoring.	
portion of 79.70-2-17.2	Cover System
1. Monitoring and maintenance of the cover system. 2. Semi-annual storm water and sediment monitoring.	

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915283

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PATRICK T. MANTON at 2430 N. FOREST AVE, GETZVILLE, NY.
print name print business address

am certifying as OWNER (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Patrick T. Manton 6/16/17
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I PATRICK T. MARTIN at 2430 N. FOREST RD., GETZVILLE, NY
print name print business address

am certifying as a Professional Engineer for the OWNER
(Owner or Remedial Party)

Patrick T. Martin 6/16/17

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date